Noritake

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VACUUM
FLUORESCENT
DISPLAYS

Noritake ... A Tradition of Quality



NORITAKE UFD MODULES

T-Version Module Small Size ... Big Value

- Low power
- · Long-term reliability
- Easy user interface
 Surface mount technology
 Parallel and serial input
- **Built-In test function**
- ASCII, European, Japanese Katakana characters
- · Many modules to choose from
- 5V operation
- · Flickerless/quick mode
- 4 step luminance control

Part Number	Number of Characters	Character Height (mm)	Display Area (mm)	PC Board Size (mm)	Character Format	Supply Current (mA)	No. of UDFs*	Weight (grams)
CU165ECPB~T2J**	1 x 16	5	62 x 5	100 x 28	200 B 200 B 200 B 200 B 200 B 200 B 200 B 200 B	250	16	40
CU205SCPB-T20A	1 x 20	5	92 x 5	128 x 32	10114 17014 17014 17014 17014	130	8	55
CU209SCPBT20A	1 x 20	5	111 x 9	164 x 34	PR4 1 h	300	8	70
CU2015SCPB-T20A	1 x 20	15	250 x 15	300 × 60	DEC 1 h	800	8	250
CU406SCPB-T20A	1 x 40	5	179×6	226 x 40	1110	350	8	110
CU16025SCPB-T20A	2 x 16	5	62 x 14	96 x 35	23 5 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	150	16	65
CU20025SCPB-T20A	2 x 20	5	79 x 15	124 x 40	4 P 0 4 B 4 1 H 0 G 1 H 1 H 0 G 1 H 1 H 1 H 2 G 1 F 1 H	320	8	70
CU20026SCPB-T20A	2 x 20	5	100 x 16	155 x 39		320	8	100
CU20029SCPB-T20A	2 x 20	5	162 x 24	205 x 47	1111	700	8	170
CU200211SCPB-T60A 271	2 x 20	11	196 x 29	248 x 69	00-00 01-00	1200	8	280
CU40026SCPB-T20A	2 x 40	5	189 x 16	240 x 43	70 00 b P 10 00 0 10 0 0 0 0 0	700	2	150
CU20045SCPB-T23A	4 × 20	5	90 x 26	150 x 64	7 7 7 4 1 4 7 7 7 7 4 7 7 7 7 4 7 7 7 7 4 7 7 7 7	400	2	120
CU20049SCPB-T20A 330	4 x 20	9	164 x 42	222 x 74	1 7 4 1 P 1 7 4 1 P 1 7 7 1 P 1 7 7 7 1 1 7 7 7 1 1 7 7 7 1	1100	2	380
CU200413SCPB-T20A	4 x 20	13	209 x 59	266 x 126	10 to 0 to	1800	2	800

^{*} User Definable Fonts ** Serial input only; test function not available Write or call for our complete catalog, application notes and specification sheets.

Graphics Module

One module that will do the work of several.



GU60X32-302

Graphic Display Module GU256X64 ABCDabed ABCDabed

GU256X64-352

toon FULL ADDRESSABLE PLSPLAY

One wise ELECTRONICS CORP. JAPAN GUT92XIG TET

GU192X16-300

The GU Series Modules have been specifically designed for demanding applications that require a high quality compact graphic or multi-line character display.

Features:

- Single 5V DC supply
- 2 active display screens
- Data read and write mode
- · Flicker free scroll and flash
- Built-in character generator
- Bright Vivid Blue-green display
- · High speed 8 bit data bus interface

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	Number					ASIC		Display Capacity		
Part Number	of Display Dots	Oot Pitch (mm)	Display Area (mm)	PC Board Size (mm)	Supply Current (mA)	Font Format	C.G.*	No. of Char. Page	No. of Graphic Page	4 Step Luminance Control
GU60X32-302**	60 x 32	0.75	45 x 24	91 x 91	150	6×8	YES	-		~~
GU192X16-304	192 x 16	8.0	153 x 13	230 x 45	800	-	_	-	20	YES
GU256X16-302	256 x 16	1.2 x 1.6	307 x 25	354×72	1,500	-	-	1 1-	16	YES
GU256X32-302	256 x 32	0.65	166 x 21	220 x 60	600	6x8	YES	8	4	YES
GD128X64-302	128 x 64	0.65	83 x 41	170 x 78	900	6×8	YES	8	8	YES
GU256X64-312	256 x 64	0.4	102 x 25	166 x 45	1,000	6×8	YES	8	4	YES
GU256X64-332	256 x 64	0.55	140 x 35	200 x 70	1,000	6 x 8	YES	8	-	YES
GU256X64-352	256 x 64	0.65	166 x 41	230 x 78	1,400	6 x 8	YES	8	4	YES

apanase Character (KATAKANA) Fonts models are also available. * C.G.: Character Generator ** 12V power supply write or call for our complete catalog, application notes and specification sheets.

Look to Noritake for VFD Quality, Reliability, and Selection.

- 5 x 7/5 x 12 dot characters
- · Bar-segment analogs
- Dot matrix graphics
- · Any other symbolics (mimic display)

Custom Design

· Wide selection from standard packages

r-yellow,

- Custom configurations incorporating Alphanumeric, Bar segment, Dot Matrix, and custom symbols are available
- Flexibility in design patterns
- Excellent engineering support



<u>Japan</u>

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